

CLAIMS

What is claimed is:

1 1. A computer assembly comprising:
2 a chassis;
3 a mounting module rigidly coupled to the chassis, the mounting module
4 for cooling the computer assembly; and
5 at least one circuit board suspended from the module, wherein the at least
6 one circuit board having a known orientation relative to the module and at least one
7 circuit board having a variable orientation relative to the chassis.

1 2. The computer assembly of claim 1 which includes a stabilization support
2 mechanism for ensuring that the at least one circuit board remains in the known
3 orientation relative to the module.

1 3. The computer assembly of claim 1 wherein the mounting module
2 comprises:
3 a heatsink; and
4 a daughter board coupled to the heatsink, wherein the daughter board
5 includes a processor.

1 4. The computer assembly of claim 3 wherein the processor is in contact with
2 the at least one circuit board.

1 5. The computer assembly of claim 3 wherein the daughter board is coupled
2 to the heatsink via a spring-loaded mount.

1 6. The computer assembly of claim 5 wherein the printed circuit board is
2 mounted to the chassis via a plurality of standoffs and fasteners at its periphery.

1 7. The computer assembly of claim 6 wherein the fasteners of the printed
2 circuit expand longitudinally within apertures in the daughter board to secure the circuit
3 board to the heatsink assembly.

1 8. The computer assembly of claim 7 wherein the heatsink assembly is
2 located relative to the at least one printed circuit board via pin features.

1 9. A mounting module for a computer assembly comprising:
2 a heatsink assembly for cooling the computer assembly, wherein the
3 heatsink assembly is coupled rigidly to a chassis of the computer assembly and is also
4 coupled to a printed circuit board within the computer assembly, wherein the printed
5 circuit board has a known orientation relative to the module and has a variable orientation
6 relative to the chassis.

1 10. The mounting module of claim 9 which includes a stabilization support
2 mechanism for ensuring that the at least one circuit board remains in the known
3 orientation relative to the module.

1 11. The mounting module of claim 9 wherein the heatsink assembly
2 comprises:

3 a heatsink; and

4 a daughter board coupled to the heatsink, wherein the daughter board
5 includes a processor.
6

1 12. The mounting module of claim 11 wherein the processor is in contact with
2 the at least one circuit board.

1 13. The mounting module of claim 11 wherein the daughter board is coupled
2 to the heatsink via a spring-loaded mount.